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**IN THE UNITED STATES PATENT DESIGNATED OFFICE (DO/US)  
(National Phase of International App.: PCT/DE01/02486, W/O 02/04147 A1)**

In re the  
application of: **Christian BOEIINKE**  
  
International Application No.: **PCT/DE01/02486**  
  
International Filing Date: **30 June 2001**  
  
U.S. Serial No.: **Not Yet Assigned**  
  
Filed: **Herewith**  
  
For: **DEVICE FOR PRODUCING CASTINGS IN  
WHICH THE WALL OF THE DEVICE MOVES  
INTO THE MOLD (AMENDED)**  
  
Attorney Docket No.: **HHI-039US**

**BOX PCT**  
Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Preliminary to examination of the above-referenced patent application, please  
amend the application as follows.

**In the Specification:**

Page 1, line 1, please replace the present title "Device For Producing Castings  
That Comprises A Wall Which Can Be Guided Into The Casting Mold" with the new title  
-- DEVICE FOR PRODUCING CASTINGS IN WHICH THE WALL OF THE DEVICE  
MOVES INTO THE MOLD --.

Page 1, line 3, after the title, insert the following "Background of the Invention".

Page 1, line 4, please delete "according to the preamble of claim 1", and insert  
after device -- for producing castings--.

Page 1, lines 6-7, please change "a device of this type according to the species" to  
-- a conventional device--.

Page 1, line 28, insert the following title: "**Summary of the Invention**".

Page 1, lines 29-30, please delete "according to the species".

Page 1, lines 33-34, please delete the paragraph.

Page 3, line 6, insert the following title: "**Brief Description of the Drawings**".

Page 3, line 9, please insert the following title: "**Description of Illustrated  
Embodiment**".

#### In the Claims

**Please amend claims 1-3 as follows:**

1. Device for producing castings out of a fusible or dispersible base material,  
comprising an injection unit from which the at least partially liquefied material can be  
injected into a mold, wherein the injection unit has an inlet port for feeding the material,  
and wherein the injection unit has a chamber with two movable walls which are adapted  
to move either together in the same direction or in opposite directions so to vary a volume  
of the chamber, and wherein the two walls forms the cavity,  
wherein one of the two walls is movable into the mold.



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**REMARKS**


Applicants amend the specification to address minor formal matters, such as introducing appropriate section headers. Applicants also amend the claims to provide proper antecedent basis, and to address other matters of form. The foregoing amendments introduce no new matter and are not related to issues of patentability.

Entry of the foregoing Preliminary Amendment is in order and requested.

If there are any questions regarding the proposed amendments to the application, we invite the Examiner to call Applicants' representative at the telephone number below.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

  
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Version With Markings To Show Changes Made

In the Specification

Page 1, line 3:

The invention relates to a device ~~according to the preamble of claim 1~~ for producing castings.

Page 1, lines 6-7:

European Patent 1 046 444 A1 discloses a conventional device ~~of this type according to the species~~. Three pistons are used to create a variable-volume chamber for the injection material. In it, two pistons are axially movable within a tubular cavity, and a third piston can be moved perpendicularly to the longitudinal axis of the chamber between the two above-mentioned pistons so as to convey the material into the mold cavity. The requirement here is that there be a precise seal between the three pistons relative to one another and to the chamber. Because of the space requirement and the demands on the seal, the device according to the species is very expensive to produce.

Page 1, lines 29-30:

The goal of the present invention is to improve a device ~~according to the species~~ so that it is as efficient as possible, has compact dimensions, and can be operated as inexpensively as possible.

In the Claims

Please amend claims 1-3.

1. Device for producing castings out of a fusible or dispersible base material, comprising ~~including~~ an injection unit from which the at least partially liquefied material can be injected into a mold, wherein the injection unit has an inlet port for feeding the material, and wherein the injection unit has a chamber with two movable walls which

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